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Ser 92233/17

From: Commander, Naval Undersea Warfare Center Division, Newport

Subj: NSS/SECR Y2K PRODUCT RELEASE NOTIFICATION

Ref: (a) NAVSEA Contract N00024-96-D-5215  
(b) NAVSEA ltr PMS 440/58 of 23 Nov 98

Encl: (1) NSS/SECR Y2K Compliant Product Status

1. Per Department of Defense (DOD) requirements all Navy Support Software/Standard Embedded Computer Resources (NSS/SECR) products (MTASS/I, MTASS/M, SDEX/44, PORTAL/44, 43RSS) are being tested and certified for Year 2000 (Y2K) compliance in accordance with the Department of the Navy (DON) Action Plan. Extensive test, investigation, and development efforts have resulted in modifications to the existing product baselines, which allow Y2K-compliant operability and certification/verification of the new Y2K product releases. Enclosure (1) provides the current Y2K status of NSS/SECR products.

2. To ensure minimum Y2K impact to your project, you are urged to request the use of available NSS/SECR beta products and their corresponding certified new revision releases. Per reference (a), all new purchases will incorporate the current Y2K modifications. MTASS/I, SDEX/44, PORTAL/44 and 43RSS new purchases receive one year of software support, during which you may request any available Y2K modifications/releases. Termination of MTASS/M product support was announced per reference (b).

3. NSS/SECR products are flagged Y2K-compliant when they successfully complete Y2K certifications. The Naval Undersea Warfare Center Division, Newport (NAVUNSEAWARCENDIV NEWPORT) disclaims any liability for reliance on these certifications by commercial entities. The user is responsible for notifying NAVUNSEAWARCENDIV NEWPORT of any subsequently discovered Year 2000 errors. In no event will NAVUNSEAWARCENDIV NEWPORT or the United States Government be liable to any party for any indirect, special or other consequential damages for any use of these certified products, including without limitation; any lost profits, business interruption, loss of programs or other data, even if NAVUNSEAWARCENDIV NEWPORT or the Government are expressly advised of the possibility of such damages.

Subj: NSS/SECR Y2K PRODUCT RELEASE NOTIFICATION

4. A technical description of all incorporated Y2K modifications to each NSS/SECR product baseline (i.e. Engineering Change Proposals (ECPs), Software Problem/Change Requests (SP/CRs), Patch Maintenance Logs (PMLs)) may be referenced from PMS 440 Year 2000 web site, <http://cosip.npt.nuwc.navy.mil/Year2000>. For product requests or additional information regarding this correspondence, please contact Mr. Patrick Turner, (401) 832-2432, or email, [turnerpw@csd.npt.nuwc.navy.mil](mailto:turnerpw@csd.npt.nuwc.navy.mil).

Distribution:  
See page three

Subj: NSS/SECR Y2K PRODUCT RELEASE NOTIFICATION

Distribution:

NAVSEA SEA03J1, SEA05D, SEA92C6, SEA92L1T17, PEO-TAD D221, PEO-TAD 2214, PMS380.11, PMS3803X, PMS38012.7, PMS38021.8, PMS380L2.2, PMS38022.7, PMS38033.1, PMS38033.3, PMS400B3C3, PMS404L11, PMS410, PMS410-13, PMS411D6, PMS411E3, PMS425, PMS425B, PMS429F1, PMS440P22, PMS440.51, PMS444B, PMS461, GMR USA/CA,  
NAVAIR 4.1.3, 4.1.2.3, 4.5.5.1, 4.5.1.1, 4.5.1.2, PMA265, 411240E  
NAWC WEAPONS 451120E  
NAWC/WS 572110F  
NAWC (D. White)  
NAWCAD 4.1.2.3, 4.5.5.1  
NAWCAD PATUXENT 4.5.8.1.1, 4.5.8.2.2, PMA 2131  
NUWC/DN 216  
NSWC CRANE 3E30  
NSWC-DD N93, N842, N074, N64,  
NSWC 7027, 4C4A, 4D21  
NSWCCD-SSES 9552, R Cunningham  
SPAWAR 177-4, 336rb, 342, 4523, P. Voss  
CSC (B. Gladstone)  
CFB Esquimalt (C. Krasey, G. Ellis)  
Comptek (D. Kiley)  
DRA (D. Grant)  
General Dynamics (G. Kulbitski, K. Kelly)  
Hill AFB(C. Jardine, J. Rudh)  
Hughes (C. Morpeth)  
ISA, Inc. (S. Van Wijk)  
LM (J. Bower, P. Lowe, G. Miller)  
LM AERO (T. Maczko, D. Linnett)  
LM Owego (P. Brenna)  
LM Syracuse (J. Ackerman, L. Hulchanski)  
McClellan AFB (T. Gerke)  
Raytheon-Portsmouth (J. Kelly)  
Raytheon-San Diego (G. Bennett)  
Syscon-Logicon (A. Tetreault)  
Telos (B. Pilcher, T. Walker)  
Unisys (R. Irwin)

The Navy Support Software for Standard Embedded Computer Resources (NSS/SECR) program is managed at the Naval Undersea Warfare Center Division, Newport (NAVUNSEAWARCENDIV NEWPORT). The NSS/SECR program has been working over the past year to ensure that its products are Year 2000 Compliant. This effort has included a considerable amount of investigation, extensive testing, and appropriate software modifications. The extent of software modifications is listed on the PMS 440 Year 2000 web site, <http://cosip.npt.nuwc.navy.mil/Year2000>. The table below provides a brief summary of this status.

<b>PRODUCT RELEASES</b>	<b>MTASS/I</b>	<b>43RSS</b>	<b>MTASS/M</b>	<b>SDEX/44</b>	<b>PORTAL/44</b>
Beta Y2K Release	Rev. 07, 12/98	Common Release 3, 11/98			
Back Fit Y2K Release *	Rev. 06, 3/99	*Patches only, Available Now Upon Request			
Y2K Final Certified Product	Rev. 07, 6/99	Common Release 3, 8/99			**Pentium PC Release, 7/99
Y2K Certified (compliant), No New Release Required			12/98	12/98	12/98, 486 PC Based

\* Will not be certified Y2K compliant

\*\* 80486 PCs have experienced Y2K hardware and firmware problems, independent of PORTAL/44 software application. A new PORTAL/44 Y2K compliant release is currently in development, which will run on Pentium, based PCs.

NOTE: All NSS/SECR products have been certified IAW with DoD requirements and their current status is monitored in the DoD Y2K Tracking data base.

### **MTASS/I**

MTASS/I releases prior to September, 1997, are not Y2K-compliant. However, MTASS/I releases since September, 1997, will generate compliant code and will operate correctly in the Year 2000. Previous revisions (pre-Revision 06) of MTASS/I have not been tested. Non-compliance issues revolve around the interpretation of date representations resulting from MTASS/I code generation. Additional information on MTASS/I Y2K issues is posted on the Year 2000 web site referenced above.

A new revision of MTASS/I, Revision 07, is in development to incorporate Y2K-compliant modifications. A beta release of this new revision is now available, and was certified Y2K-compliant in December, 1998. The final release of Revision 07 will be available to customers in June, 1999. This revision will be re-certified prior to release.

In addition, modifications for Y2K compliance will be backfit into Revision 06. The Revision 06 release will be available in March, 1999. However, Revision 06 will not be certified Y2K-compliant. It will, however, be flagged Y2K-ready. This means that there are no known Y2K compliance problems, but Y2K certification testing will not be conducted.

### **43RSS**

Y2K-compliance problems have been identified with the AN/UYK-43 Runtime Support Software (43RSS) Common Release 2. Year 2000 issues have been identified with the Common Systems (CS) and Resident Debug (D2) modules. Patches have been developed to address 43RSS Y2K-compliance issues with these modules and have been delivered to current 43RSS customers known to be using these modules. Incorporation of these patches will make Common 43RSS Release 2 Y2K-ready. However, Y2K-compliance cannot be assured since Y2K-certification testing will not be performed by the NSS/SECR program on deployed operating systems. Additional information on 43RSS Y2K issues is posted on the Year 2000 web site referenced above. Note that 43-Debug is physically part of the Common 43RSS Operating System, and has been tested along with other 43RSS components.

A new revision of 43RSS, Common 43RSS Release 3, is in development to incorporate Y2K-compliant modifications. A beta release of this new revision is now available, and was certified Y2K-compliant in November, 1998. The final Common 43RSS Release 3 Program Components will be available for release in August, 1999. This revision will be re-certified prior to release.

### **MTASS/M**

There are no Y2K compliance issues with the current revision of MTASS/M (Revision 08). Previous revisions have not been tested. The current revision of MTASS/M was certified Y2K-compliant in December, 1998. Although the MTASS/M date format is ambiguous, the ambiguity has no effect on processing. No changes to MTASS/M have been made. The MTASS/M system will operate correctly in the Year 2000. MTASS/M users who have software tools which interrogate various MTASS/M files will need to determine if they are affected and make any necessary changes to correctly process the date information. Furthermore, MTASS/M will no longer be supported by the NSS/SECR program as of January 1, 2000. A separate letter addressing this issue has been distributed.

### **SDEX/44**

There are no Y2K compliance issues with the current revision (Revision 12) of the AN/UYK-44 Standard Executive (SDEX/44). SDEX/44 operates on 16-bit tactical embedded computer systems that do not have calendar clocks. The current revision of SDEX/44 was certified Y2K-compliant in December, 1998.

### **PORTAL/44**

The current revision of PORTAL/44 (Revision 06) has been tested for Y2K compliance. This revision executes only on 80486/33 Mhz (or earlier) -based IBM-compatible Personal Computer Systems (PCs). Although no PORTAL/44 software issues have been identified, some of these PCs have been known to have Y2K problems with hardware and firmware. The current revision of PORTAL/44 was certified Y2K-compliant in December, 1998.

In addition, A new revision of PORTAL/44 is in development that will run on Pentium-based PCs. This revision will be certified Y2K-compliant and will be released in July, 1999.